

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((driving adj charging adj pixel\$1) with (liquid adj crystal adj display or lcd) with (data adj lines) with (scanning adj lines) with (common adj electrode\$1) and (pixel adj unit\$1) with ( tft or thin adj film adj transistor\$1) with (gate) and (first adj electrode) with (data adj line) and (second adj electrode) with (storage adj capacitor) and (liquid adj crystal adj cell) with (second adj electrode) with (common adj electrode) and (providing adj plurality adj storage adj electrodes) with (scan\$4 adj lines) with (storage adj capacitor) and (generating adj plurality adj pre-charging adj signals) with (output adj storage adj electrodes) and (pre-chargeing adj signals adj vary adj periodically) and (generating adj plurality adj scan\$4 adj lines) with (output adj scanning adj lines) and (variation adj voltage adj level) with (each adj pre-charging adj signals) with (occurs adj before) with (scanning adj signals) with (apply\$3) with (scan\$4 adj line\$1)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 10:53

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	("0719781").PN.	USPAT	OR	OFF	2006/12/21 11:15
L3	1	("7119781").PN.	USPAT	OR	OFF	2006/12/21 11:15
L4	9	("20020021606"   "20060152461"   "5686936"   "6034549"   "6181314"   "6236256"   "6369786"   "6593920"   "7006068").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 11:20
L5	455203	(lcd or liquid adj crystal adj display)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:21
L6	3	plurality adj (pre-charg\$3 adj signal\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:22
L7	1154	(pre-charg\$3 adj signal\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:22
L8	8595	storage adj electrode\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:26
L9	18	(pre\$1charg\$3 adj signal\$1) with ((polarit\$3 or revers\$3) adj signal\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:28

## EAST Search History

L10	2	7 same 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:24
L11	2	7 and 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:25
L12	9	5 and 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:26
L13	181	(pre\$1charg\$3 adj signal\$1) and ((polarit\$3 or revers\$3) adj signal\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:25
L14	34	5 and 13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:26
L15	0	8 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:26
L16	30	14 and electrode\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:26

## EAST Search History

L17	32	(pre\$1charg\$3 adj circuit) same ((polarit\$3 or revers\$3) adj signal\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:29
L18	11	5 and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:28
L19	0	(pre\$1charg\$3 adj circuit) same ((polarit\$3 or revers\$3) adj signal\$1) same (tft or thin adj film adj transistor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:30
L20	39	(pre\$1charg\$3 adj circuit) and ((polarit\$3 or revers\$3) adj signal\$1) and (tft or thin adj film adj transistor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:32
L21	20	20 and lcd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:32
L23	36	20 and 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:41
L24	0	(scanning adj lines) near4 (pre-charging adj circuit) near4 (storage adj electrode\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:42

## EAST Search History

L25	0	(scanning adj lines) same (pre-charging adj circuit) same (storage adj electrode\$1) and swing adj voltage\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:43
L26	0	(scanning adj lines) and (pre-charging adj circuit) and (storage adj electrode\$1) and swing adj voltage\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:43
L27	0	(pre-charging adj circuit) with (storage adj electrode\$1) and swing adj voltage\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:43
L28	0	(pre-charging adj circuit) with (swing adj voltage\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:44
L29	1551	(swing adj voltage\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:44
L30	374	(pre-charging adj circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:44
L31	4	29 and 30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 11:44